Federal Operating Permit
Article 1

This permit is based upon the requirements of Title V of the Federal Clean Air Act and Chapter 80, Article 1, of the Commonwealth of Virginia Regulations for the Control and Abatement of Air Pollution. Until such time as this permit is reopened and revised, modified, revoked, terminated or expires, the permittee is authorized to operate in accordance with the terms and conditions contained herein. This permit is issued under the authority of Title 10.1, Chapter 13, §10.1-1322 of the Air Pollution Control Law of Virginia. This permit is issued consistent with the Administrative Process Act, and 9 VAC 5-80-50 through 9 VAC 5-80-300 of the State Air Pollution Control Board Regulations for the Control and Abatement of Air Pollution of the Commonwealth of Virginia.

Authorization to operate a Stationary Source of Air Pollution as described in this permit is hereby granted to:

Permittee Name:	Department of the Navy
Facility Name:	Naval Air Station Oceana
Facility Location:	Naval Air Station Oceana Virginia Beach, VA 23460-5120
Registration Number:	**60294**
Permit Number:	TRO-60294

This permit includes the following programs:

Federally Enforceable Requirements - Clean Air Act (Sections I through XIII)
State Only Enforceable Requirements (Section XIV)

September 23, 2008
Effective Date

September 22, 2013
Expiration Date

_____
Regional Director

September 23, 2008
Signature Date

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I. Facility Information

Permittee
Department of the Navy
U.S Navy, Commander Navy Region Mid-Atlantic
Regional Engineer / CNRMA
Code – N457
1510 Gilbert Street
Norfolk, VA 23511-2737

Responsible Official
Regional Engineer
By direction of
Commander, Navy Region Mid-Atlantic
(757) 444-3009

Facility
Naval Air Station Oceana
Virginia Beach, VA 23460-5120

Contact Person
Jennifer Tabor
Air Program Manager
(757) 445-6637

County-Plant Identification Number: 51-810-00004

NATS Facility Identification Number: 928110 – National Security and International Affairs

Facility Description: 9711 - National Security; 3721 - Aircraft; 4581 - Airports, flying fields, and services. Naval Air Station (NAS) Oceana is a full-service master jet base that serves the United States Navy (the Navy). NAS Oceana is located in Virginia Beach, Virginia, and occupies approximately 13,185 acres and employs and houses up to 15,000 personnel. NAS Oceana is the major Atlantic Division air station for the Navy's Atlantic Fleet Operations. This permit covers air emissions units associated with the operations, supply, and maintenance activities conducted at NAS Oceana. These activities include the Public Works Center (PWC), the squadron-specific activities, and the Aircraft Intermediate Maintenance Department (AIMD). These activities are responsible for maintaining air wing readiness pre- and post-deployment including but not limited to aircraft and equipment maintenance and overhaul, supply, unit training, etc. The facility consists of fossil fuel-fired steam generators, internal combustion engines, jet engine testing, abrasive blasting, surface coating operations, and a woodworking shop.

II. Emission Units

Equipment to be operated consists of:

Emission Unit ID	Stack ID	Emission Unit Description	Size/Rated Capacity*	Pollution Control Device (PCD) Description	PCD ID	Pollutant Controlled	Applicable Permit Date
ABRASIVE CLEANING							
ABRA-401-001	STANRA-401-001	IAIMD Plastic Media Blasting Booth (2/6/92)	NA	Baghouse	10a	PM, PM10	8/2/07
BOILERS - EXTERNAL COMBUSTION BOILERS							
Group** I Boilers- Fuel **Oil/Natural Gas Power Boilers (BOIL-GRP1)							
BOIL-601-006	STBOIL-601-006	Nebraska Boiler, NSE558 (10/1/87)	70 mmBtu/hr				8/2/07
BOIL-601-007	STBOIL-601-007	Nebraska Boiler, NSE558 (10/1/87)	70 mmBtu/hr				8/2/07
BOIL-601-008	STBOIL-601-008	Nebraska Boiler, NSE558 (10/1/87)	70 mmBtu/hr				8/2/07
ENGINE TEST							
ENGT-1100-001	STENGT-1100-001	Engine Test Cell #1					8/2/07
ENGT-1102-002	STENGT-1102-002	Engine Test Cell #2					8/2/07
ENGT-1106-003	STENGT-1106-003	Engine Test Cell #3					8/2/07
ENGT-1106-004	STENGT-1106-004	Engine Test Cell #4					8/2/07
GENERATOR/ENGINES							
Group 1 Generators- Peak Shaving ECIP Generators							
ICGF-499-012	STICGF-499-012	Caterpillar Diesel, 3516TA (01/96)	1600 kW				8/2/07
ICGF-499-013	STICGF-499-013	Caterpillar Diesel, 3516TA (01/96)	1600 kW				8/2/07
GASOLINE OPERATIONS							
GSTA-295-001	ASGSTA295-001						8/2/07

GSTA-541-005	ASGSTA-541-005						8/2/07
PAINTING OPERATIONS							
PAINT SPRAY BOOTHS							
PNTS-401-001	STPNTS-401-001	Paint Ground Support		Bank of fiber mesh filter pads	10b	PM, PM10	8/2/07
PNTS-513-003	STPNTS-513-003	Paint Aircraft Parts		Bank of fiber mesh filter pads	10b	PM, PM10	8/2/07
PNTS-513-004	STPNTS-513-004	Paint Aircraft Parts		Bank of fiber mesh filter pads	10b	PM, PM10	8/2/07
PNTS-830-005	STPNTS-830-005	Paint Automobiles		Waterfall	99c	PM, PM10	8/2/07
PNTS-139-047	STPNTS-139-047	Hangar booth		Bank of fiber mesh filter pads	10b	PM, PM10	8/2/07
PNTS-3033-100	STPNTS-3033-100	Targets and Miscellaneous Equipment	2 gal/hr	Bank of fiber mesh filter pads	10b	PM, PM10	8/2/07
PNTS-VFA103-012	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA143-014	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA032-015	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFC012-016	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA011-031	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA031-033	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA211-034	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA213-035	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA034-036	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA037-037	STPNTS-GRP	Grouped Hangar Painting					8/2/07

PNTS-Contractor-038	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA015-039	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA081-041	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA083-042	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA087-043	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA131-045	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA136-046	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA106-050	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VFA105-051	STPNTS-GRP	Grouped Hangar Painting					8/2/07
PNTS-VR056-056	STPNTS-GRP	Grouped Hangar Painting					8/2/07
WOODWORKING OPERATIONS							
WOODWORKING OPERATION WITH CYCLONE CONTROLS							
WOOD-829-829	VTWOOD-829-829	Miscellaneous Carpentry (Self Help)		Cyclone	2	PM/PM10	8/2/07
DEGREASING OPERATIONS (DEGS-GRP)							
DEGS-2005-2005A		non-halogenated cold cleaning unit					8/2/07
DEGS-301-063		non-halogenated cold cleaning unit					8/2/07
DEGS-301-064		non-halogenated cold cleaning unit					8/2/07
DEGS-301-301A		non-halogenated cold cleaning unit					8/2/07
DEGS-401-033A		non-halogenated cold cleaning unit					8/2/07
DEGS-401-034		non-halogenated cold cleaning unit					8/2/07

DEGS-410-410A		non-halogenated cold cleaning unit					8/2/07
DEGS-513-012		non-halogenated cold cleaning unit					8/2/07
DEGS-513-053		non-halogenated cold cleaning unit					8/2/07
DEGS-513-054		non-halogenated cold cleaning unit					8/2/07
DEGS-513-055		non-halogenated cold cleaning unit					8/2/07
DEGS-601-601		non-halogenated cold cleaning unit					8/2/07
DEGS-798-023		non-halogenated cold cleaning unit					8/2/07
DEGS-798-798		non-halogenated cold cleaning unit					8/2/07
DEGS-820-027		non-halogenated cold cleaning unit					8/2/07
DEGS-830-028		non-halogenated cold cleaning unit					8/2/07
DEGS-830-037		non-halogenated cold cleaning unit					8/2/07
DEGS-830-061		non-halogenated cold cleaning unit					8/2/07
DEGS-833-060		non-halogenated cold cleaning unit					8/2/07

*The Size/Rated capacity [and PCD efficiency] is provided for informational purposes only, and is not an applicable requirement.

III. Fuel Burning Equipment Requirements – (BOIL-601-006, BOIL-601-007, BOIL-601-008, ICGF-499-012 and ICGF-499-013)

A. Limitations

1. Nitrogen oxide emissions from the diesel peak shaving/emergency generators (Ref. Nos.ICGF-499-012 and ICGF-499-013) shall be controlled by retarding the fuel injection timing by four (4) degrees from standard timing.
(9 VAC 5-80-110 and Condition 3 of 8/2/07 Permit)

2. The approved fuel for the boilers (Ref. Nos. BOIL-601-006, BOIL-601-007, and BOIL-601-008) is No. 4 fuel oil, fuel oil reclaimed (F.O.R.), and natural gas. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 11 of 8/2/07 Permit)

3. The approved fuel for the peak shaving/emergency generators (Ref. Nos. ICGF-499-012 and ICGF-499-013) is distillate oil. Distillate oil is defined as fuel oil that meets the specifications for fuel oil numbers 1 or 2 under the American Society for Testing and Materials. A change in the fuel may require a permit to modify and operate.
(9 VAC 5-80-110 and Condition 13 of 8/2/07 Permit)

4. The maximum sulfur content of the distillate oil, residual oil, or fuel oil reclaimed (F.O.R.) shall meet the specifications below:

   DISTILLATE OIL which meets the ASTM D396 specification for numbers 1 or 2 fuel oil:
   Maximum sulfur content per shipment: 0.5 %

   RESIDUAL OIL which meets the ASTM D396 specifications for numbers 4, 5, or 6 fuel oil:
   Maximum sulfur content per shipment: 1.0 %

   FUEL OIL RECLAIMED (F.O.R.):
   Maximum sulfur content per shipment: 1.0 %

   (9 VAC 5-80-110, 40 CFR 60, Subpart Dc, and Condition 15 of 8/2/07 permit)

5. The three (3) boilers (Ref. Nos. BOIL-601-006, BOIL-601-007, and BOIL-601-008) combined shall consume no more than 4,620,000 gallons of No. 4 fuel oil, 200,000 gallons of fuel oil reclaimed (F.O.R.), or 400 million cubic feet of natural gas per year, calculated as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-110 and Condition 12 of 8/2/07 Permit)

6. The two (2) diesel peak shaving/emergency generators combined (Ref. Nos. ICGF-499-012 and ICGF-499-013) shall consume no more than 92,560 gallons of distillate oil per year, calculated as the sum of each consecutive twelve (12) month period.
(9 VAC 5-80-110 and Condition 14 of 8/2/07 Permit)

7. Emissions from the operation of the 70 mmBtu/hour boilers (Ref. Nos. BOIL-601-006, BOIL-601-007, and BOIL-601-008) shall not exceed the limits specified below:

	Each	Total
PM-10	3.1 lbs/hr	2.4 tons/yr
Sulfur Dioxide	72.9 lbs/hr	360.7 tons/yr
Nitrogen Oxides (as NO2)	9.8 lbs/hr	48.6 tons/yr
Carbon Monoxide	2.5 lbs/hr	12.1 tons/yr
Volatile Organic Compounds	0.2 lbs/hr	0.6 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers III.A.2, III.A.5 and III.A.4.

(9 VAC 5-80-110, and Condition 18 of 8/2/07 Permit)

8. Emissions from the operation of the diesel peak shaving/emergency generators (Ref. Nos. ICGF-499-012 and ICGF-499-013) shall not exceed the limits specified below:

	Each	Combined
Total Suspended Particulate	3.9 lbs/hr	1.6 tons/yr
PM-10	3.9 lbs/hr	1.6 tons/yr
Sulfur Dioxide	8.1 lbs/hr	3.2 tons/yr
Nitrogen Oxides (as NO_2)	47.9 lbs/hr	19.2 tons/yr
Carbon Monoxide	13.6 lbs/hr	5.4 tons/yr
Volatile Organic Compounds	3.5 lbs/hr	1.4 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers III.A.1, III.A.3, III.A.6, and III.A.4.

(9 VAC 5-80-110, and Condition 21 of 8/2/07 Permit)

9. Visible emissions from the each 70 mmBtu/hour boiler stack (Ref. Nos. BOIL-601-006, BOIL-601-007, and BOIL-601-008) shall not exceed twenty (20) percent opacity except during one six-minute period in any one hour in which visible emissions shall not exceed thirty (30) percent opacity as determined by the EPA Method 9 (reference 40 CFR 60, Appendix A). This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-50-80, 9 VAC 5-80-110, and Condition 23 of 4/1/03 NSR Permit)

10. Visible emissions from each peak shaving/emergency generator stack (Ref. Nos. ICGF-499-012 and ICGF-499-013) shall not exceed twenty (20) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A), except during one six-minute period in any one hour in which visible emissions shall not exceed thirty (30) percent opacity. This condition applies at all times except during startup, shutdown, and malfunction.
(9 VAC 5-50-80, 9 VAC 5-80-110, and Condition 24 of 8/2/07 Permit)

11. Boiler and generator emissions shall be controlled by proper operation and maintenance. Operators shall be trained in the proper operation of all such equipment. Training shall consist of a review and familiarization of the manufacturer's operating instructions, at minimum. (9 VAC 5-80-110 and Condition 31 of 8/2/07 Permit)

12. At all times, including periods of start-up, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate the affected source, including associated air pollution control equipment, in a manner consistent with good air pollution control practices for minimizing emissions.

    The permittee shall take the following measures in order to minimize the duration and frequency of excess emissions, with respect to air pollution control equipment and process equipment which affect such emissions:

    a. Develop a maintenance schedule and maintain records of all scheduled and non-scheduled maintenance.

    b. Maintain an inventory of spare parts.

    c. Have available written operating procedures for equipment. These procedures shall be based on the manufacturer's recommendations, at a minimum.

    d. Train operators in the proper operation of all such equipment and familiarize the operators with the written operating procedures, prior to their first operation of such equipment. The permittee shall maintain records of the training provided including the names of trainees, the date of training and the nature of the training.

    (9 VAC 5-170-160, Condition 31 of 8/2/07 Permit)

B. Monitoring

1. The permittee shall perform monthly visual opacity observations on each boiler (Ref. Nos. BOIL-601-006, BOIL-601-007, and BOIL-601-008) during normal operation to determine compliance with each unit's opacity limit. If such visual observation indicates any visible emissions, the permittee shall take corrective action to correct the cause of the opacity. If such corrective action fails to eliminate visible emissions, the permittee shall conduct a visible emissions evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six-minute VEE opacity average exceeds 10%, the VEE shall continue for an additional 12 minutes. If any of the six-minute averages during the 18 minutes exceeds 20%, the VEE shall continue for one hour from initiation on the boiler stack to determine compliance with the opacity limit. The permittee shall record the details of the visual emissions observations, VEE, and any corrective actions in a logbook. The logbook shall be kept on site and available for inspection by DEQ for the most recent five (5) years.
   (9 VAC 5-80-110)

2. The permittee shall observe each peak shaving/emergency generator (Ref. Nos. ICGF-499-012 and ICGF-499-013) stack for visible emissions when the generator is under full load at least once per year. If visible emissions are noted, a visible emissions evaluation (VEE) shall be conducted for at least six minutes in accordance with Method 9 (40 CFR 60, Appendix A). If the VEE opacity average for the six minutes exceeds 10%, the VEE shall continue for an additional 12 minutes. If any of the six-minute averages during the 18 minutes exceeds 20%, the VEE shall continue for one hour from initiation to determine compliance with the opacity limits. If a Method 9 evaluation and/or corrective action becomes necessary, the permittee shall record the details of the incident in a logbook. The logbook shall be kept on site and available for inspection by DEQ for the most recent five (5) years.
(9 VAC 5-80-110)

C. Recordkeeping

1. The permittee shall obtain a certification from the fuel supplier with each shipment of distillate oil, residual oil, and fuel oil reclaimed (F.O.R.). Each fuel supplier certification shall include the following:

   a. The name of the fuel supplier;

   b. The date on which the distillate oil, and residual oil, and fuel oil reclaimed (F.O.R.) was received;

   c. The quantity of distillate oil, residual oil, and fuel oil reclaimed (F.O.R.) delivered in the shipment;

   d. A statement that the distillate oil complies with the American Society for Testing and Materials specifications (ASTM D396) for number 2 fuel oil;

   e. A statement that the residual oil complies with the American Society for Testing and Materials specifications (ASTM D396) for number 4 fuel oil; and

   f. The sulfur content of the distillate oil, residual oil, and fuel oil reclaimed (F.O.R.).

   (9 VAC 5-50-410, 9 VAC 5-80-110 and Condition 16 of 8/2/07 Permit)

2. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. Annual throughput of distillate oil for the peak shaving/emergency generators (Ref. Nos. ICGF-499-012 and ICGF-499-013), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

   b. The monthly and annual throughput of natural gas (in million cubic feet) and number 4 fuel oil, and fuel oil reclaimed (F.O.R.) for boilers (Ref. Nos. BOIL-601-006, BOIL-601-007, and BOIL-601-008) or alternate records as approved in writing by EPA, Region III. The annual throughput shall be calculated as the sum of each consecutive twelve (12) month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

c. The permittee shall maintain records of the following items for each boiler (Ref. Nos. BOIL-006, BOIL-007, BOIL-008) and peak shaving/emergency generators (Ref. Nos. ICGF-499-012 and ICGF-499-013).

(i) Each monthly periodic visible emission,

(ii) Any corrective action taken, and

(iii) Each Method 9 visible emission evaluation performed.

d. The permittee shall maintain records of the required training for operating the boilers (Ref. Nos. BOIL-601-006, BOIL-601-007, and BOIL-601-008) and the generators (Ref. Nos. ICGF-499-012 and ICGF-499-013) including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the generators. These procedures shall be based on the manufacturer's recommendations, at minimum.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent (5) years.

(9 VAC 5-50-50 and 9 VAC 5-80-110)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30 and 9 VAC 5-80-110)

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.
(9 VAC 5-80-110)

IV. Process Equipment Requirements – (Abrasive Blasting - ABRA-401-001)

A. Limitations

1. Particulate emissions from the plastic media abrasive blasting booth (Ref. No. ABRA-401-001) shall be controlled by a baghouse. The baghouse shall be provided with adequate access for inspection.
(9 VAC 5-80-110 and Condition 4 of 8/2/07 Permit)

2. The annual throughput of plastic media shall not exceed 3000 tons per year, calculated monthly as the sum of each consecutive twelve (12) month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-110 and Condition 7 of 8/2/07 Permit)

3. Visible emissions from the plastic media abrasive blasting booth (Ref. No. ABRA-401-001) baghouse stack shall not exceed five (5) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-50-80, 9 VAC 5-80-110, and Condition 25 of 8/2/07 Permit)

B. Monitoring

The permittee shall perform monthly visual observations on each baghouse stack exhaust for the abrasive blasting area (ABRA-001) during daylight hours of normal operations for visible emissions. If such periodic evaluations indicate any opacity, the permittee shall take corrective actions to eliminate the visible emissions. If such corrective action fails to eliminate the visible emissions, the permittee shall conduct a visible emission evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes to determine compliance with the opacity limit. Visual observations, Method 9 evaluations, and corrective actions shall be recorded in a logbook.
(9 VAC 5-80-110)

C. Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. Annual throughput of plastic media, calculated monthly as the sum of each consecutive twelve (12) month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

   b. The permittee shall maintain records of the following items for the abrasive blasting booth (Ref. No. ABRA-001):

      (i) Each monthly periodic visible emission evaluation,

      (ii) Any corrective action taken on a booth, and

      (iii) Each Method 9 visible emission evaluation performed on the booth.

c. The permittee shall maintain records of the required training for operating the abrasive blasting booth (Ref. No. ABRA-001) including a statement of time, place and nature of training provided. The permittee shall have available good written operating procedures and a maintenance schedule for the abrasive blasting booth. These procedures shall be based on the manufacturer's recommendations, at a minimum.

These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

(9 VAC 5-50-50, 9 VAC 5-80-110 and Condition 27 of 8/2/07 Permit)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30 and 9 VAC 5-80-110)

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.
(9 VAC 5-80-110)

V. Process Equipment Requirements – (Degreasing)

A. Limitations

1. Vapor control is required for each cold cleaner (Ref. No. DEGS-GRP1) to remove, destroy, or prevent the discharge into the atmosphere of at least 85% by weight of volatile organic compound emissions. Achievement of the 85% vapor control shall be done by the following:

   a. Covers or enclosed remote reservoirs;

   b. Drainage facilities to collect and return solvent to a closed container or a solvent cleaning machine;

   c. A permanent label, summarizing the operating procedures in 9 VAC 5-40-3290 C (2)(a-c) on/near the cold cleaning unit(s);

   d. If used, the solvent spray should be a solid, fluid stream (not a fine, atomized or shower type spray) and at a pressure which does not cause excessive splashing.

   (9 VAC 5-40-3280 C(1) and C(2) & 9 VAC 5-40-3290 (C) & (D))

2. The following operating procedures for the cold cleaning units (Ref. No. DEGS-GRP1) shall be followed:

   a. Waste solvent should not be disposed of or transferred to another party, such that greater than 20% of the waste (by weight) can evaporate to the atmosphere. Waste solvent shall be stored in containers only.

   b. The cold cleaning unit cover should be closed whenever not handling parts in the cold cleaner.

   c. Cleaned parts should drain for at least 15 seconds or until dripping ceases.

   (9 VAC 5-40-3290 C(2)(a-c))

3. Disposal of waste solvent from the cold cleaning units (Ref. No. DEGS-GRP1) shall be done by one of the following:

   a. Reclamation (either by outside services or in-house), or

   b. Incineration.

   (9 VAC 5-40-3290 D)

B. Monitoring

1. Each degreasing unit of DEGS-GRP1 will be inspected once per calendar year to ensure the label with the operating procedures is placed on or near each degreasing unit.
   (9 VAC 5-40-3280 C(1) and C(2) & 9 VAC 5-40-3290 (C) & (D))

2. Each degreasing unit of DEGS-GRP1 will be inspected once per calendar year to ensure that each has a cover or enclosed remote reservoir, and waste solvent from each unit is be stored in closed containers.
   (9 VAC 5-40-3280 C(1) and C(2) & 9 VAC 5-40-3290 (C) & (D))

C. Recordkeeping

1. The permittee shall maintain records of the following items for the DEGS-GRP1:

   a. Annual inspection results and any corrective actions taken;

   b. Method(s) of waste solvent disposal.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

   (9 VAC 5-50-50 and 9 VAC 5-80-110)

VI. Process Equipment Requirements – (Painting Operations)

A. Limitations

1. Particulate emissions from the corrosion control hanger (Ref. No. PNTS-139-047) and spray paint booths (Ref. Nos. PNTS-513-003, PNTS-513-004, and PNTS-3033-100) shall be controlled by dry filters. The filters shall be equipped with a device to continuously measure the differential pressure drop through the filter. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times. The device shall be installed in an accessible location and shall be maintained by the permittee such that it is in proper working order at all times.
(9 VAC 5-80-110 and Condition 5 of 8/2/07 Permit)

2. Except as specified in this permit, each aerospace cleaning, primer/topcoat coating, and depainting operation (Ref. Nos. PNTS-GRP; PNTS-513-003, PNTS-513-004, PNTS-139-047, and PNTS-513-700) are to be operated in compliance with Federal emission requirements under 40 CFR Part 63, Subpart GG.
(9 VAC 5-80-110 and Condition 6 of 8/2/07 Permit)

3. The annual throughput of total material (coatings, adhesives, sealants, etc.) for the corrosion control hanger (Ref. No. PNTS-139-047) shall not exceed 16,842 gallons, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-110 and Condition 8 of 8/2/07 Permit)

4. The annual throughput of coatings for the spray paint booth (Ref. No. PNTS-513-003) shall not exceed 6,876 gallons, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-110 and Condition 9 of 8/2/07 Permit)

5. The annual throughput of coatings for the spray paint booth (Ref. No. PNTS-3033-100) shall not exceed 640 gallons, calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.
(9 VAC 5-80-110 and Condition 10 of 8/2/07 Permit)

6. Visible emissions from each corrosion control hanger stack exhaust and spray booth exhaust (Ref. Nos. PNTS-513-003 and PNTS-139-047) shall not exceed five (5) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A).
(9 VAC 5-50-80, 9 VAC 5-80-110, and Condition 26 of 8/2/07 Permit)

7. Emissions from the corrosion control hanger (Ref. No. PNTS-139-047) shall not exceed the limits specified below:

Volatile Organic Compounds	28.1 lbs/hr	20.7 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers, VI.A.1, VI.A.2, and VI.A.3.

(9 VAC 5-80-110, and Condition 19 of 8/2/07 Permit)

8. Emissions from the spray paint booth (Ref. No. PNTS-3033-100) shall not exceed the limits specified below:

Volatile Organic Compounds	14.2 lbs/hr	2.3 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits may be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers VI.A.1, VI.A.2, and VI.A.5.

(9 VAC 5-80-110, and Condition 20 of 8/2/07 Permit)

9. Emissions from the spray paint booth (Ref. No. PNTS-513-003) shall not exceed the limits specified below:

Volatile Organic Compounds	6.3 lbs/hr	9.2 tons/yr

These emissions are derived from the estimated overall emission contribution from operating limits. Exceedance of the operating limits shall be considered credible evidence of the exceedance of emission limits. Compliance with these emission limits may be determined as stated in Condition numbers VI.A.1, VI.A.2, and VI.A.4.

(9 VAC 5-80-110, and Condition 22 of 8/2/07 Permit)

B. Monitoring

The permittee shall perform monthly visual inspections for the corrosion control hanger (Ref. No. PNTS-139-047) and spray paint booth exhaust (Ref. No. PNTS-513-003) to determine compliance with the opacity limit. If such periodic evaluations indicate any opacity, the permittee shall take appropriate action to correct the cause of the opacity. If such corrective action fails to correct the problem, the permittee shall conduct a visible emission evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes to determine compliance with the opacity limit. If a Method 9 evaluation and/or corrective action becomes necessary, the permittee shall record the details of the incident in a log book. The log book shall be kept on site and available for inspection by DEQ for the most recent five (5) years.
(9 VAC 5-80-110)

C. Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. Annual throughput (in gallons) of total material (coatings, adhesives, sealants, etc.) for the corrosion control hanger (Ref. No. PNTS-139-047), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

   b. Annual throughput (in gallons) of coatings for the spray paint booth (Ref. No. PNTS-513-003), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

   c. Annual throughput (in gallons) of coatings for the spray paint booth (Ref. No. PNTS-3033-100), calculated monthly as the sum of each consecutive 12-month period. Compliance for the consecutive 12-month period shall be demonstrated monthly by adding the total for the most recently completed calendar month to the individual monthly totals for the preceding 11 months.

   d. The calculated annual volatile organic compound emissions for the spray paint booth (Ref. No. PNTS-3033-100) to show compliance with Condition VI.A.8.

   e. Current MSDS for each material (coating, adhesive, sealant, etc.) used in the corrosion control hanger (Ref. No. PNTS-139-047) and spray paint booth (Ref. No. PNTS-513-003), indicating the VOC and individual HAP content in pounds per gallon or percent by weight.

   f. All recordkeeping requirements stated in NESHAP Subpart GG for each aerospace cleaning, primer/topcoat coating, and depainting operation (Ref. Nos.PNTS-513-003, PNTS-513-004, PNTS-139-047, and PNTS-513-700).

   g. The permittee shall maintain records of the following items for the corrosion control hanger (Ref. No. PNTS-139-047) and spray paint booth (Ref. No. PNTS-513-003):

      (i) Each monthly periodic visible emission,

      (ii) Any corrective action taken,

      (iii) Each Method 9 visible emission evaluation performed, and

      (iv) DEQ-approved emission factors.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.

   (9 VAC 5-50-50, 9 VAC 5-80-110 and Condition 27 of 8/2/07 Permit)

D. Testing

1. The permitted facility shall be constructed so as to allow for emissions testing at any time using appropriate methods. Upon request from the Department, test ports shall be provided at the appropriate locations.
(9 VAC 5-50-30 and 9 VAC 5-80-110)

2. If testing is conducted in addition to the monitoring specified in this permit, the permittee shall use the appropriate method(s) in accordance with procedures approved by the DEQ.
(9 VAC 5-80-110)

VII. 40 CFR Part 63, Subpart GG (Aerospace NESHAP)

A. General Requirements

1. Each aerospace cleaning and primer/topcoat coating operation is to be operated in compliance with Federal emission requirements under 40 CFR 63, Subpart GG.
(9 VAC 5-80-1180, 9 VAC 5-50-260, 40 CFR 63.741, and Condition 17 of 8/2/07 Permit)

2. All recordkeeping requirements stated in NESHAP Subpart GG for each aerospace cleaning, primer/topcoat coating, and depainting operation apply. These records shall be available on site for inspection by DEQ and shall be current for the most recent five (5) years.
(9 VAC 5-50-50, 40 CFR 63.751 and 63.752, and Condition 27(j) of 8/2/07 Permit)

3. The general provisions in Table I of 40 CFR Part 63, Subpart GG shall apply to each affected source.
(9 VAC 5-60-100 and 40 CFR 63.741(b), Subpart GG)

B. Cleaning Operations – General, Hand-Wipe, Spray Gun, and Flush Cleaning

1. Solvents used in each cleaning operation shall meet the composition requirements in Table I of 40 CFR 63.744(a). If the solvent doesn't meet the requirements in Table I, the source shall do the following:

   a. Place solvent-laden cloth, paper in closed containers after finished using them,

   b. Keep containers closed at all times, except when depositing or removing materials,

   c. Store fresh and spent solvents in closed containers (except semi-aqueous cleaners), and

   d. Handle and transfer solvents to, or from cleaning operations, and to waste handling areas in a manner that minimizes spills.

Table I of 40 CFR 63.744(a)

Solvent Type	Composition requirements
Aqueous	Cleaning solvents in which water is the primary ingredient (greater than or equal to 80% of cleaning solvent solution as applied must be water). Detergents, surfacants, and bioenzyme mixtures and nutrients may be combined with the water along with a variety of additives such as organic solvents (e.g. high boiling alcohols), builders, saponifiers, inhibitors, emulsifiers, pH buffers, and antifoaming agents. Aqueous solutions must have a flash point >200 F (93 C) as reported by the manufacturer and the solution must be miscible with water.
Hydrocarbon-Based	Cleaners that are composed of photochemically reactive hydrocarbons and/or oxygenated hydrocarbons and have a maximum vapor pressure of 7 mm Hg at 20 C (3.75 in. H2O at 68 F). These cleaners also contain no HAP.

(9 VAC 5-60-100 and 40 CFR 63.744(a), Subpart GG)

2. For each cleaning solvent used, the permittee shall record the name of the product being used, its vapor pressure, and documentation showing the organic HAP constituents.
(9 VAC 5-60-100 and 40 CFR 63.752(b)(1), Subpart GG)

3. The permittee shall submit a semiannual compliance report for each cleaning operation (every 6 months from the date of notification of compliance status) according to 40 CFR 63.753(b).
(9 VAC 5-60-100 and 40 CFR 63.753(b), Subpart GG)

C. Hand-Wipe

1. All hand-wipe cleaning solvents shall meet one of the following:

   a. The composition requirements in Table I of 40 CFR 63.744(a),

   b. Have a vapor pressure less than 45 mmHg at 68F (20C), or

   c. Reduce solvent usage volume used by at least 60 percent from an approved baseline of permitting agency.

   (9 VAC 5-60-100 and 40 CFR 63.744(b)(1)-(b)(3), Subpart GG)

2. If hand-wipe cleaning solvents meeting the composition requirements in Table I of 40 CFR 63.744(a) or semi-aqueous cleaners (a solution in which 60 percent or greater of the solvent solution is water) are used, the permittee shall record the following:

   a. Name of each cleaning solvent used,

   b. All data and calculations that demonstrate the solvent complies, and

   c. Annual records of the volume of each solvent used.

   (9 VAC 5-60-100 and 40 CFR 63.752(b)(2), Subpart GG)

3. If hand-wipe cleaning solvents meeting the vapor pressure requirement are used, the permittee shall record the following:

   a. Name of each cleaning solvent used,

   b. The composite vapor pressure (determined as per 40 CFR 63.750(b)),

   c. All vapor test results (if appropriate), data, and calculations used to determine the composite vapor pressure of each solvent, and

   d. The amount (in gallons) of each cleaning solvent used each month at each operation.

   (9 VAC 5-60-100 and 40 CFR 63.752(b)(3), Subpart GG)

4. If a cleaning solvent used in an exempt hand-wipe cleaning operation doesn't conform to the vapor pressure requirement (40 CFR 63.744(b)(2)) or composition requirement (40 CFR 63.744(a)), the permittee shall record the following:

   a. The identity and amount (in gallons) of each cleaning solvent used each month at each operation, and

   b. A list of exempt operations in which these solvents are being used.

   (9 VAC 5-60-100 and 40 CFR 63.752(b)(4), Subpart GG)

D. Spray Gun

1. The permittee shall use one of the following techniques for each spray gun operation:

   a. Enclosed system, or

   b. Disassembled gun cleaning.

   (9 VAC 5-60-100 and 40 CFR 63.744(c)(1)-(c)(4), Subpart GG)

2. For enclosed system spray gun cleaning, the permittee shall clean the spray guns in an enclosed system that is closed at all times except when inserting or removing a spray gun. Cleaning shall consist of forcing solvent through a spray gun.
   (9 VAC 5-60-100 and 40 CFR 63.744(c)(1)(i), Subpart GG)

3. For enclosed system spray gun cleaning, the permittee shall visually inspect the seals and all other potential sources of leaks associated with each enclosed spray gun cleaner system once per calendar month while in operation. If a leak is found during inspection, repairs shall be made within 15 days or remove the solvent and shut down the system until the leak is repaired.
   (9 VAC 5-60-100 and 40 CFR 63.751(a) and 63.744(c)(1)(ii), Subpart GG)

4. The permittee shall record all the leaks from the enclosed spray gun cleaners identified pursuant to 40 CFR 63.751(a) that includes, for each leak found, the source identification, and the date the leak was discovered and repaired.
   (9 VAC 5-60-100 and 40 CFR 63.752(b)(5), Subpart GG)

5. For disassembled gun cleaning, the permittee shall clean the spray guns by disassembling and hand-cleaning the components in a vat, or by soaking in a vat. The vat shall remain closed when not in use or during the soaking period, except when inserting or removing components.
   (9 VAC 5-60-100 and 40 CFR 63.744(c)(3), Subpart GG)

E. Flush Cleaning

1. The permittee shall use solvents that meet the composition requirements in Table I of 40 CFR 63.744(a) or use semi-aqueous cleaners (a solution in which 60 percent or greater of the solvent solution is water). If the solvent is not semi-aqueous or doesn't meet the requirements in Table I, the source shall do the following:

   a. Empty flushed solvent into an enclosed container or collection system or into a system with equivalent emission control, and

   b. Keep the collection system closed when not in use.

   (9 VAC 5-60-100 and 40 CFR 63.744(d), Subpart GG)

2. If semi-aqueous cleaners (a solution in which 60 percent or greater of the solvent solution is water) are used the permittee shall keep records of the following:

   a. The name of each cleaning solvent used,

   b. All data and calculations that demonstrate that the cleaning solvent complies with the composition requirements in Table I of 40 CFR 63.744(a), and

   c. Annual volume of each solvent used.

   (9 VAC 5-60-100 and 40 CFR 63.752(b)(2), Subpart GG)

F. Primer/Topcoat Coating Operations (including self-priming topcoats) – Organic and Inorganic HAP Coatings

1. Organic HAP Coatings

   a. The permittee shall use the following application equipment and housekeeping measures for the organic HAP-containing primer/topcoat coatings:

      (i) Handle and transfer organic HAP containing primers/topcoats in a manner that minimizes spills,

      (ii) Apply each organic HAP-containing coating using one or more of the nine methods listed in 40 CFR 63.745 (f),

      (iii) Operate application devices according to company procedures, local specified operating procedures, and, or manufacturer's specifications, and

      (iv) Maintain a transfer efficiency equal to HVLP and electrostatic spray if application equipment is modified.

      (9 VAC 5-60-100 of State Regulations, 40 CFR 63.745 (b), 63.745(f), and 63.745(f)(2), Subpart GG)

   b. The permittee shall use uncontrolled compliant primer/topcoat coatings (coatings that comply with the organic HAP and VOC limits in 40 CFR 63.745 (c)(1), (c)(2), and (c)(4)) or uncontrolled low HAP primer/topcoat coatings (coatings that comply with the organic HAP and VOC limits in 40 CFR 63.752 (c)(3)). HAP content is measured "less water", as applied; VOC content is measured less water and exempt solvents as applied.
   (9 VAC 5-60-100 and 40 CFR 63.745(c), 40 CFR 63.745 (c)(1) – (c)(4), and 64.752(c), Subpart GG)

2. Inorganic HAP Coatings

   a. The permittee shall keep annual records of the volume of coatings (in gallons) for each formulation of inorganic HAP-containing primers/topcoats and the combined usage of all inorganic HAP-containing primers/topcoats to demonstrate exemption from the standards, monitoring, recordkeeping, and reporting in 40 CFR 63.745 (g). Exemption levels from the requirements are 50 gal/yr for each formulation and 200 gal/yr for the combination of all primers and topcoats as defined by 40 CFR 63.741(g). Specialty coatings do not count towards the low use exemption levels
   (9 VAC 5-80-110 E and 40 CFR 63.741(g) and 63.745 (g), Subpart GG)

3. Organic and Inorganic Coatings

   a. The permittee shall submit a semiannual compliance report for each primer/topcoat (organic or inorganic) operation (every 6 months from the date of notification of compliance status) according to 40 CFR 63.753(b) & 63.753 (c).
   (9 VAC 5-60-100 and 40 CFR 63.753(b) & 63.753 (c), Subpart GG)

4. Depainting

   a. Depainting operations shall be done using one or more of the following methods and requirements:

      (i) Non-HAP chemical strippers that emit no organic HAP from chemical stripping formulations, agents, or chemical paint softeners,

(ii) Non-chemical based equipment that operates and is maintained according to the manufacturer's specification or locally prepared operating procedures,

(iii) Spot stripping and decal removal that uses no more than 26 gallons of HAP-containing chemical strippers or alternatively 190 pounds of organic HAP per commercial aircraft depainted (on an annual average basis), and

(iv) Spot stripping and decal removal that uses no more than 50 gallons of organic HAP-containing chemical strippers or alternatively 365 pounds of organic HAP per military aircraft depainted (on an annual average basis).

(9 VAC 5-60-100 and 40 CFR 63.746 (b)(1) through (b)(3), Subpart GG)

b. Each owner or operator subject to the depainting standards specified in 40 CFR 63.746 shall record the information specified in 40 CFR 63.752(e)(1) through (e)(7), as appropriate. This condition applies to PNTS- 513-004, PNTS-513-003, PNTS-139-047, PNTS-513-700, and PNTS-GRP.
(9 VAC 5-60-100 and 40 CFR 63.752 (e), Subpart GG)

c. The permittee shall keep the following records for HAP strippers used for spot stripping and decal removal:

(i) Volume of organic HAP-containing chemical stripper used or weight of organic HAP used,

(ii) Annual average volume of organic HAP-containing stripper or volume of organic HAP used per aircraft,

(iii) Annual number of aircraft stripped, and

(iv) All data and calculations.

(9 VAC 5-60-100 and 40 CFR 63.752 (e)(6), Subpart GG)

d. The permittee shall submit a semiannual compliance report for each depainting operation (every 6 months from the date of notification of compliance status) according to 40 CFR 63.753(d)(1)(viii) and 63.753(d)(1)(viii).
(9 VAC 5-60-100 and 40 CFR 63.753(b) & 63.753 (c), Subpart GG)

5. Waste Handling and Storage

a. The permittee shall conduct the handling and transfer of waste (that contains HAPS) to or from containers, tanks, vats, vessels, and piping systems in such a manner that minimizes spills.
(9 VAC 5-60-100 and 40 CFR 63.748, Subpart GG)

VIII. Process Equipment Requirements – Gasoline Operations

A. Limitations

1. Vapor control is required for each gasoline fuel pumping station (Stage I) to remove, destroy, or prevent the discharge into the atmosphere of at least 90% by weight of volatile organic compound emissions at the storage tanks during filling operations (Ref. Nos. GSTA-295-001 and GSTA-541-005). The control system must include one of the following:

   a. A submerged fill pipe,

   b. A vapor control system with a vapor tight return line from the storage container to the tank truck or adsorption system or condensation system or any system with equal or greater control efficiency, or

   c. A vapor control system with the vapor balance portion meeting the criteria listed in 9 VAC 5-40-5230 E(3).

   (9 VAC 5-40-5220 E)

B. Monitoring

At least once per year, the permittee shall observe a gasoline delivery to GSTA-295-001 and GSTA-541-005 for the Stage I vapor recovery system usage.
(9 VAC 5-80-110)

C. Recordkeeping

The permittee shall keep records showing the results of annual monitoring of the usage of the Stage I vapor recovery system during a gasoline delivery to GSTA-295-001 and GSTA-541-005 with any corrective taken, if necessary.
(9 VAC 5-80-110)

IX. Process Equipment Requirements – Woodworking Operations

A. Limitations

1. Particulate emissions from each woodworking shop (Ref. No. WOOD-829-829) shall not exceed 0.05 grains per standard cubic feet of exhaust gas.
(9 VAC 5-80-110 and 9 VAC 5-40-2270 B)

2. Particulate emissions shall not be discharged into the atmosphere from each woodworking shop (Ref. No. WOOD-829-829) without providing, as a minimum, adequate duct work and properly designed collectors or other such devices, as approved by the board.
(9 VAC 5-80-110 and 9 VAC 5-40-2270 A)

3. Visible emissions from each woodworking shop stack (Ref. No. WOOD-829-829) shall not exceed twenty (20) percent opacity as determined by EPA Method 9 (reference 40 CFR 60, Appendix A), except during one six-minute period in any one hour in which visible emissions shall not exceed sixty (60) percent opacity. This condition applies at all times except during start-up, shutdown, or malfunction
(9 VAC 5-80-110 and 9 VAC 5-40-80)

B. Monitoring

1. An annual internal inspection shall be conducted on the cyclone at each woodworking shop (Ref. No. WOOD-829-829) by the permittee to insure structural integrity except if no access exists to facilitate internal inspection, in which case an external inspection will be performed. Each cyclone shall be maintained and operated according to the manufacturer's recommendations.
(9 VAC 5-80-110 and 9 VAC 5-40-80)

2. The permittee shall perform an annual visual emissions evaluation of the exhausts of each woodworking shop (Ref. No. WOOD-829-829) during normal operations. If such periodic visual observations indicate any opacity, the permittee shall take appropriate action to correct the cause of the opacity. If such corrective action fails to correct the problem, the permittee shall conduct a visible emission evaluation (VEE) using 40 CFR Part 60, Appendix A, Method 9 for six minutes. If the six-minute VEE average exceeds 10%, the VEE shall continue for an additional 12 minutes. If any six-minute average during the 18 minutes exceeds 20%, the VEE shall continue for one hour from initiation to determine compliance with the opacity limit. Visual observations, Method 9 evaluations, and corrective actions shall be recorded in a logbook. The logbook shall be kept on site and available for inspection by DEQ for the most recent five (5) years.
(9 VAC 5-80-110 E)

C. Recordkeeping

1. The permittee shall maintain records of all emission data and operating parameters necessary to demonstrate compliance with this permit. The content and format of such records shall be arranged with the Director, Tidewater Regional Office. These records shall include, but are not limited to:

   a. Each annual periodic visible emission check and each annual internal inspection of the cyclone,

   b. Any corrective action taken on each cyclone, and

   c. Any Method 9 visible emission evaluation performed on the exhaust of the cyclone.

   These records shall be available on site for inspection by the DEQ and shall be current for the most recent five (5) years.
   (9 VAC 5-80-110)

X. Facility Wide Conditions

A. Limitations

1. The permittee shall conduct the following activities in accordance with 40 CFR 61, Subpart M:
   a. Renovation and removal activities involving asbestos containing material (ACM) using licensed, trained facility personnel or contractors,
   b. Disposal of asbestos generated waste, and
   c. Any air cleaning activities associated with renovation and removal of ACM.
   d. (9 VAC 5-60-70 of State Regulations, 40 CFR Part 61, Subpart M, 61.145)
2. The permittee shall manufacture, mix, store, use, and apply liquefied asphalt for paving operations only if it is of the emulsified asphalt type.
   (9 VAC 5-40-5510 of State Regulations, Rule 4-39)

XI. Insignificant Emission Units

The following emission units at the facility are identified in the application as insignificant emission units under 9 VAC 5-80-720:

Emission Unit No.	Emission Unit Description	Citation	Pollutant(s) Emitted (9 VAC 5-80-720 B)	Rated Capacity 9 VAC 5-80-720 C)
ABRA-Abrasive blast booth (ABRA-GRP)				
ABRA-543-005	Glovebox	9 VAC 5-80-720 (B)	PM, PM10	NA
ABRA-401-008	Glovebox	9 VAC 5-80-720 (B)	PM, PM10	NA
ABRA-401-009	Glovebox	9 VAC 5-80-720 (B)	PM, PM10	NA
ABRA-513-012	Glovebox	9 VAC 5-80-720 (B)	PM, PM10	NA
ABRA-513-013	Glovebox	9 VAC 5-80-720 (B)	PM, PM10	NA
ABRA-840-014	Glovebox	9 VAC 5-80-720 (B)	PM, PM10	NA
ABRA-830-015	Glovebox	9 VAC 5-80-720 (B)	PM, PM10	NA
ABRA-301-016	Glovebox	9 VAC 5-80-720 (B)	PM, PM10	NA
BOIL-External Combustion Boilers				
BOIL-400-010	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-240-011	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-280-012	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-603-013	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-900-014	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-581-019	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-139-051	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-139-052	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-139-053	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-139-054	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-137-055	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-137-056	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-137-057	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-145-058	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-145-059	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-145-060	External Combustion Boiler Space Heater (0.3-10 MMBtu/hr)	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr

BOIL-145-061	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-200-062	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-200-063	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-446-064	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-542-065	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-542-066	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-545-067	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-545-068	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-545-069	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-545-070	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
BOIL-826-071	External Combustion Boiler Space Heater	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	0.3-10 MMBtu/hr
ICGF-Internal Combustion Engines/Generator				
Group I Generators - < 400 KW Diesel Emergency Generators (ICGF-GRP1)				
ICGF-601-004	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-4063-005	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-6042-006	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-220-008	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-230-009	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-3001-014	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-3003-018	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-285-019	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-100-022	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-232-025	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-600-030	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-500-034	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-250-035	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-252-036	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-292-037	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA

ICGF-310-038	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-323-039	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-3013-045	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-3013-046	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-3013-047	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-4134-048	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-350-049	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-ACLS-050	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-E108-051	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-E1201-052	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-PAR-053	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-RW32-054	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-520-040	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-820-041	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-840-042	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-1020-043	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
ICGF-1020-044	Diesel Emergency Generators	9 VAC 5-80-720 (B)	PM, PM10, SO2, NOx, CO, VOC	NA
TNKA and TNKU- Storage tanks				
TNKA/TNKU diesel oil storage tanks (TG-I)				
TNKA-100-03	Aboveground Horizontal Fixed Roof Storage Tanks (Distillate Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-220-05		9 VAC 5-80-720 (B)	VOC	NA
TNKA-250-01		9 VAC 5-80-720 (B)	VOC	NA
TNKA-252-01	Aboveground Horizontal Fixed Roof Storage Tanks (Distillate Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-290-03	Aboveground Horizontal Fixed Roof Storage Tanks (Distillate Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-3025-02	Aboveground Horizontal Fixed Roof Storage Tanks (Distillate Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-3070-01	Aboveground Horizontal Fixed Roof Storage Tanks (Distillate Oil)	9 VAC 5-80-720 (B)	VOC	NA

TNKA-310-01	Aboveground Horizontal Fixed Roof Storage Tanks (Distillate Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-310-02	Aboveground Horizontal Fixed Roof Storage Tanks (Distillate Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-500-01	Aboveground Horizontal Fixed Roof Storage Tanks (Distillate Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-520-01	Aboveground Horizontal Fixed Roof Storage Tanks (Distillate Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-920-01	Aboveground Horizontal Fixed Roof Storage Tanks (Distillate Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-E105-02	Aboveground Horizontal Fixed Roof Storage Tanks (Distillate Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-E3036-02	Aboveground Horizontal Fixed Roof Storage Tanks (Distillate Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-F23-04	Aboveground Horizontal Fixed Roof Storage Tanks (Distillate Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-PAR-01	Aboveground Horizontal Fixed Roof Storage Tanks (Distillate Oil)	9 VAC 5-80-720 (B)	VOC	NA
Gasoline storage tanks for service stations(TG-II)				
TNKA-110-01	Aboveground Horizontal Fixed Roof Storage Tanks (10/10 Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKU-295-01	Aboveground Horizontal Fixed Roof Storage Tanks (10/10 Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKU-295-02	Aboveground Horizontal Fixed Roof Storage Tanks (10/10 Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKU-295-03	Aboveground Horizontal Fixed Roof Storage Tanks (10/10 Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKU-541-05	Aboveground Horizontal Fixed Roof Storage Tanks (10/10 Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKU-541-06	Aboveground Horizontal Fixed Roof Storage Tanks (10/10 Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKU-541-07	Aboveground Horizontal Fixed Roof Storage Tanks (10/10 Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-585-01	Aboveground Horizontal Fixed Roof Storage Tanks (10/10 Oil)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-797-02	Aboveground Horizontal Fixed Roof Storage	9 VAC 5-80-720 (B)	VOC	NA

	Tanks (10/10 Oil)			
TNKA and TNKU JP-5 storage tanks (TG-III)				
TNKA-1106-01	Aboveground Horizontal Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-1106-05	Aboveground Horizontal Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-3025-01	Aboveground Horizontal Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-306-01	Aboveground Horizontal Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-306-02	Aboveground Horizontal Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-F10-01	Aboveground Horizontal Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-F54-07	Aboveground Horizontal Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-F8-01	Aboveground Horizontal Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-F9-01	Aboveground Horizontal Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)	9 VAC 5-80-720 (B)	VOC	NA
TNKU-1100-01	Aboveground Horizontal Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)	9 VAC 5-80-720 (B)	VOC	NA
TNKU-1100-03	Aboveground Horizontal Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)	9 VAC 5-80-720 (B)	VOC	NA
TNKU-F15-01	Aboveground Horizontal Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)	9 VAC 5-80-720 (B)	VOC	NA
TNKU-F19A-02	Aboveground Horizontal Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)	9 VAC 5-80-720 (B)	VOC	NA
TNKU-F19-01	Aboveground Horizontal	9 VAC 5-80-720 (B)	VOC	NA

	Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)			
TNKU-F20-01	Aboveground Horizontal Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)	9 VAC 5-80-720 (B)	VOC	NA
TNKU-F25-01	Aboveground Horizontal Fixed Roof Storage Tanks (Jet Kerosene/JP-5 Jet Fuel)	9 VAC 5-80-720 (B)	VOC	NA
Kerosellsopar/Norpar storage tanks (TG-IV)				
TNKA-1105-03	Aboveground Horizontal Fixed Roof Storage Tanks (Gasoline)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-125-01	Aboveground Horizontal Fixed Roof Storage Tanks (Gasoline)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-131-01	Aboveground Horizontal Fixed Roof Storage Tanks (Gasoline)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-2022-02	Aboveground Horizontal Fixed Roof Storage Tanks (Gasoline)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-240-01	Aboveground Horizontal Fixed Roof Storage Tanks (Gasoline)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-280-02	Aboveground Horizontal Fixed Roof Storage Tanks (Gasoline)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-3050-01	Aboveground Horizontal Fixed Roof Storage Tanks (Gasoline)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-602-01	Aboveground Horizontal Fixed Roof Storage Tanks (Gasoline)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-603-06	Aboveground Horizontal Fixed Roof Storage Tanks (Gasoline)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-70-06	Aboveground Horizontal Fixed Roof Storage Tanks (Gasoline)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-798-04	Aboveground Horizontal Fixed Roof Storage Tanks (Gasoline)	9 VAC 5-80-720 (B)	VOC	NA
TNKA-900-02	Aboveground Horizontal Fixed Roof Storage Tanks (Gasoline)	9 VAC 5-80-720 (B)	VOC	NA

These emission units are presumed to be in compliance with all requirements of the federal Clean Air Act as may apply. Based on this presumption, no monitoring, recordkeeping, or reporting shall be required for these emission units in accordance with 9 VAC 5-80-110.

XII. Permit Shield & Inapplicable Requirements

Compliance with the provisions of this permit shall be deemed compliance with all applicable requirements in effect as of the permit issuance date as identified in this permit. This permit shield covers only those applicable requirements covered by terms and conditions in this permit and the following requirements which have been specifically identified as being not applicable to this permitted facility:

Citation	Title of Citation	Description of Applicability
FACILITY	40 CFR 61 Subpart C - NESHAP for Beryllium	Applies to machine shops at stationary sources which process beryllium, beryllium oxides, or any alloy when such alloy contains more than 5% Beryllium by weight
FACILITY	40 CFR 61, Subpart M - NESHAP for Asbestos	NESHAP Standard for Asbestos
FACILITY	40 CFR 63, Subpart Q - NESHAP for Industrial Process Cooling Towers	NESHAP Standard for Cooling Towers Using Chromium Based Water Treatment Chemicals
FACILITY	40 CFR 63, Subpart T - NESHAP for Halogenated Solvent Cleaning	NESHAP for Halogenated Solvent Cleaning
FACILITY	40 CFR 82	Protection of Stratospheric Ozone
FACILITY	40 CFR 60, Subpart D	NSPS for Fossil-Fuel-Fired Steam Generators Constructed, Modified, or Reconstructed After 17 August 1971 that have a Maximum Design Heat Input Capacity Greater Than or Equal to 250 MMBtu/hr
FACILITY	40 CFR 60, Subpart Da	NSPS for Electric Utility Steam Generating Units Constructed, Modified, or Reconstructed After 18 September 1978 that have a Maximum Design Heat Input Capacity Greater Than or Equal to 250 MMBtu/hr
FACILITY	40 CFR 60, Subpart Db	NSPS for Industrial-Commercial-Institutional Steam Generating Units Constructed, Modified, or Reconstructed After 19 June 1984 that have a Maximum Design Heat Input Capacity Greater Than or Equal to 100 MMBtu/hr
FACILITY	40 CFR 60, Subpart K	NSPS for Storage Vessels for Petroleum Liquids Constructed, Modified, or Reconstructed After 11 June 1973 and Prior to 19 May 1978 With Storage Capacity Greater Than 40,000 Gallons
FACILITY	40 CFR 60, Subpart Ka	NSPS for Storage Vessels for Petroleum Liquids Constructed, Modified, or Reconstructed After 18 May 1978 and Prior to 23 July 1984 With Storage Capacity Greater Than 40,000 Gallons
All Internal Combustion Engines (ICGF-***)	9 VAC 5-40-880, et. seq. Rule 4-8 - Emissions Standards for Fuel Burning Equipment	PM and SO_2 emissions standards for fossil fuel fired equipment
All Internal Combustion Engines (ICGF-***)	40 CFR 60, Subpart IIII	NSPS for stationary compression ignition (CI) internal combustion engines (ICE) that commence construction after July 11, 2005 where the stationary CI ICE are Manufactured after April 1, 2006

Volatile Organic Liquid Storage and Transfer Operations (Primarily Tanks) TNKA-*** TNKU-***	9 VAC 5-40-3410 et. seq. Rule 4-25 - Emission Standards for Volatile Organic Compound Storage and Transfer Operations	Emission standards for VOC storage and transfer operations. Applies only to tanks with a storage capacity greater than 2,000 gallons and organic liquids with a vapor pressure greater than or equal to 1.5 psia
Aircraft Coating Operations PNTS-***	9 VAC 5-40-4760, et. seq. Rule 4-34 - Emission Standards for Miscellaneous Metal Parts and Products Coating Application Systems	VOC standards for coating operations of miscellaneous parts and products
Petroleum Liquid Storage Tanks TNKA-*** TNKU-*** Except: TNKA-082, -095, -097, -101, -104; TNKU –001, -029, -030, -031, -035, -036, -037, -046, -056, -057, -068, -069, -070	9 VAC 5-40-5220, et. seq. Rule 4-37 - Emissions Standards for Petroleum Liquid Storage and Transfer Operations	Emission standards for petroleum liquid storage and transfer operations for petroleum liquids with a vapor pressure greater than or equal to 1.5 psia
FACILITY	9 VAC 5-40-5220 A Rule 4-37 - Emissions Standards for Petroleum Liquid Storage and Transfer Operations-Petroleum Liquid Storage in Fixed Roof Tanks	Emission standards for petroleum liquid storage and transfer operations for petroleum liquids with a vapor pressure greater than or equal to 1.5 psia for fixed roof storage tanks having a capacity of greater than 40,000 gallons
FACILITY	9 VAC 5-40-5220 B Rule 4-37 - Emissions Standards for Petroleum Liquid Storage and Transfer Operations-Petroleum Liquid Storage in Floating Roof Tanks	Emission standards for petroleum liquid storage and transfer operations for petroleum liquids with a vapor pressure greater than or equal to 1.5 psia for floating roof storage tanks having a capacity of greater than 40,000 gallons
GSTA-001, GSTA-005	9 VAC 5-40-5220 E and 5230 E (3) Rule 4-37 - Emissions Standards for Petroleum Liquid Storage and Transfer Operations	Control and operation requirements for tank trucks/account trucks and vapor collection systems
FACILITY	9 VAC 5-40-5220 C Rule 4-37 - Emissions Standards for Petroleum Liquid Storage and Transfer Operations-Gasoline Bulk Loading at Bulk Terminals	Emission standards for petroleum liquid storage and transfer operations for petroleum liquids with a vapor pressure greater than or equal to 1.5 psia at bulk terminals

Nothing in this permit shield shall alter the provisions of §303 of the federal Clean Air Act, including the authority of the administrator under that section, the liability of the owner for any violation of applicable requirements prior to or at the time of permit issuance, or the ability to obtain information by the administrator pursuant to §114 of the federal Clean Air Act, (ii) the Board pursuant to §10.1-1314 or §10.1-1315 of the Virginia Air Pollution Control Law or (iii) the Department pursuant to §10.1-1307.3 of the Virginia Air Pollution Control Law.
(9 VAC 5-80-140)

XIII. General Conditions

A. Federal Enforceability

All terms and conditions in this permit are enforceable by the administrator and citizens under the federal Clean Air Act, except those that have been designated as only state-enforceable. (9 VAC 5-80-110 N)

B. Permit Expiration

This permit has a fixed term of five years. The expiration date shall be the date five years from the date of issuance. Unless the owner submits a timely and complete application for renewal to the Department consistent with the requirements of 9 VAC 5-80-80, the right of the facility to operate shall be terminated upon permit expiration.

1. The owner shall submit an application for renewal at least six months but no earlier than eighteen months prior to the date of permit expiration.

2. If an applicant submits a timely and complete application for an initial permit or renewal under this section, the failure of the source to have a permit or the operation of the source without a permit shall not be a violation of Article 1, Part II of 9 VAC 5 Chapter 80, until the Board takes final action on the application under 9 VAC 5-80-150.

3. No source shall operate after the time that it is required to submit a timely and complete application under subsections C and D of 9 VAC 5-80-80 for a renewal permit, except in compliance with a permit issued under Article 1, Part II of 9 VAC 5 Chapter 80.

4. If an applicant submits a timely and complete application under section 9 VAC 5-80-80 for a permit renewal but the Board fails to issue or deny the renewal permit before the end of the term of the previous permit, (i) the previous permit shall not expire until the renewal permit has been issued or denied and (ii) all the terms and conditions of the previous permit, including any permit shield granted pursuant to 9 VAC 5-80-140, shall remain in effect from the date the application is determined to be complete until the renewal permit is issued or denied.

5. The protection under subsections F 1 and F 5 (ii) of section 9 VAC 5-80-80 F shall cease to apply if, subsequent to the completeness determination made pursuant section 9 VAC 5-80-80 D, the applicant fails to submit by the deadline specified in writing by the Board any additional information identified as being needed to process the application.

(9 VAC 5-80-80 B, C, and F, 9 VAC 5-80-110 D and 9 VAC 5-80-170 B)

C. Recordkeeping and Reporting

1. All records of monitoring information maintained to demonstrate compliance with the terms and conditions of this permit shall contain, where applicable, the following:

   a. The date, place as defined in the permit, and time of sampling or measurements.

   b. The date(s) analyses were performed.

   c. The company or entity that performed the analyses.

   d. The analytical techniques or methods used.

   e. The results of such analyses.

   f. The operating conditions existing at the time of sampling or measurement.

   (9 VAC 5-80-110 F)

2. Records of all monitoring data and support information shall be retained for at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.
   (9 VAC 5-80-110 F)

3. The permittee shall submit the results of monitoring contained in any applicable requirement to DEQ no later than **March 1** and **September 1** of each calendar year. This report must be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

   a. The time period included in the report. The time periods to be addressed are January 1 to June 30 and July 1 to December 31.

   b. All deviations from permit requirements. For purpose of this permit, deviations include, but are not limited to:

      (i) Exceedance of emissions limitations or operational restrictions;

      (ii) Excursions from control device operating parameter requirements, as documented by continuous emission monitoring, periodic monitoring, or Compliance Assurance Monitoring (CAM) which indicates an exceedance of emission limitations or operational restrictions; or,

      (iii) Failure to meet monitoring, recordkeeping, or reporting requirements contained in this permit.

   c. If there were no deviations from permit conditions during the time period, the permittee shall include a statement in the report that “no deviations from permit requirements occurred during this semi-annual reporting period.”

   (9 VAC 5-80-110 F)

D. Annual Compliance Certification

Exclusive of any reporting required to assure compliance with the terms and conditions of this permit or as part of a schedule of compliance contained in this permit, the permittee shall submit to EPA and DEQ no later than March 1 each calendar year a certification of compliance with all terms and conditions of this permit including emission limitation standards or work practices. The compliance certification shall comply with such additional requirements that may be specified pursuant to §114(a)(3) and §504(b) of the federal Clean Air Act. This certification shall be signed by a responsible official, consistent with 9 VAC 5-80-80 G, and shall include:

1. The time period included in the certification. The time period to be addressed is January 1 to December 31.

2. The identification of each term or condition of the permit that is the basis of the certification.

3. The compliance status.

4. Whether compliance was continuous or intermittent, and if not continuous, documentation of each incident of non-compliance.

5. Consistent with subsection 9 VAC 5-80-110 E, the method or methods used for determining the compliance status of the source at the time of certification and over the reporting period.

6. Such other facts as the permit may require to determine the compliance status of the source.

7. One copy of the annual compliance certification shall be sent to EPA at the following address:

   Clean Air Act Title V Compliance Certification (3AP00)
   U.S. Environmental Protection Agency, Region III
   1650 Arch Street
   Philadelphia, PA 19103-2029

   (9 VAC 5-80-110 K.5)

E. Permit Deviation Reporting

The permittee shall notify the Director, Tidewater Regional Office within four daytime business hours after discovery of any deviations from permit requirements which may cause excess emissions for more than one hour, including those attributable to upset conditions as may be defined in this permit. In addition, within 14 days of the discovery, the permittee shall provide a written statement explaining the problem, any corrective actions or preventative measures taken, and the estimated duration of the permit deviation. The occurrence should also be reported in the next semi-annual compliance monitoring report pursuant to General Condition XIII.C.3 of this permit.

(9 VAC 5-80-110 F.2 and 9 VAC 5-80-250)

F. Failure/Malfunction Reporting

In the event that any affected facility or related air pollution control equipment fails or malfunctions in such a manner that may cause excess emissions for more than one hour, the owner shall, as soon as practicable but no later than four daytime business hours after the malfunction is discovered, notify the Director, Tidewater Regional Office by facsimile transmission, telephone or telegraph of such failure or malfunction and shall within 14 days of discovery provide a written statement giving all pertinent facts, including the estimated duration of the breakdown. Owners subject to the requirements of 9 VAC 5-40-50 C and 9 VAC 5-50-50 C are not required to provide the written statement prescribed in this paragraph for facilities subject to the monitoring requirements of 9 VAC 5-40-40 and 9 VAC 5-50-40. When the condition causing the failure or malfunction has been corrected and the equipment is again in operation, the owner shall notify the Director, Tidewater Regional Office.
(9 VAC 5-20-180 C)

G. Severability

The terms of this permit are severable. If any condition, requirement or portion of the permit is held invalid or inapplicable under any circumstance, such invalidity or inapplicability shall not affect or impair the remaining conditions, requirements, or portions of the permit.
(9 VAC 5-80-110 G.1)

H. Duty to Comply

The permittee shall comply with all terms and conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Air Act or the Virginia Air Pollution Control Law or both and is ground for enforcement action; for permit termination, revocation and reissuance, or modification; or, for denial of a permit renewal application.
(9 VAC 5-80-110 G.2)

I. Need to Halt or Reduce Activity not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
(9 VAC 5-80-110 G.3)

J. Permit Modification

A physical change in, or change in the method of operation of, this stationary source may be subject to permitting under State Regulations 9 VAC 5-80-50, 9 VAC 5-80-1100, 9 VAC 5-80-1605, or 9 VAC 5-80-2000 and may require a permit modification and/or revisions except as may be authorized in any approved alternative operating scenarios.
(9 VAC 5-80-190 and 9 VAC 5-80-260)

K. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege.
(9 VAC 5-80-110 G.5)

L. Duty to Submit Information

1. The permittee shall furnish to the Board, within a reasonable time, any information that the Board may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Board copies of records required to be kept by the permit and, for information claimed to be confidential, the permittee shall furnish such records to the Board along with a claim of confidentiality.
   (9 VAC 5-80-110 G.6)

2. Any document (including reports) required in a permit condition to be submitted to the Board shall contain a certification by a responsible official that meets the requirements of 9 VAC 5-80-80 G.
   (9 VAC 5-80-110 K.1)

M. Duty to Pay Permit Fees

The owner of any source for which a permit under 9 VAC 5-80-50 through 9 VAC 5-80-300 was issued shall pay permit fees consistent with the requirements of 9 VAC 5-80-310 through 9 VAC 5-80-350. The actual emissions covered by the permit program fees for the preceding year shall be calculated by the owner and submitted to the Department by April 15 of each year. The calculations and final amount of emissions are subject to verification and final determination by the Department.
(9 VAC 5-80-110 H and 9 VAC 5-80-340 C)

N. Fugitive Dust Emission Standards

During the operation of a stationary source or any other building, structure, facility, or installation, no owner or other person shall cause or permit any materials or property to be handled, transported, stored, used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne. Such reasonable precautions may include, but are not limited to, the following:

1. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads, or the clearing of land;

2. Application of asphalt, water, or suitable chemicals on dirt roads, materials stockpiles, and other surfaces which may create airborne dust; the paving of roadways and the maintaining of them in a clean condition;

3. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty material. Adequate containment methods shall be employed during sandblasting or similar operations;

4. Open equipment for conveying or transporting material likely to create objectionable air pollution when airborne shall be covered or treated in an equally effective manner at all times when in motion; and,

5. The prompt removal of spilled or tracked dirt or other materials from paved streets and of dried sediments resulting from soil erosion.

(9 VAC 5-40-90 and 9 VAC 5-50-90)

O. Startup, Shutdown, and Malfunction

At all times, including periods of startup, shutdown, and soot blowing, and malfunction, owners shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with air pollution control practices for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Board, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
(9 VAC 5-50-20 E and 9 VAC 5-40-20 E)

P. Alternative Operating Scenarios

Contemporaneously with making a change between reasonably anticipated operating scenarios identified in this permit, the permittee shall record in a log at the permitted facility a record of the scenario under which it is operating. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions under each such operating scenario. The terms and conditions of each such alternative scenario shall meet all applicable requirements including the requirements of 9 VAC 5 Chapter 80, Article 1.
(9 VAC 5-80-110 J)

Q. Inspection and Entry Requirements

The permittee shall allow DEQ, upon presentation of credentials and other documents as may be required by law, to perform the following:

1. Enter upon the premises where the source is located or emissions-related activity is conducted, or where records must be kept under the terms and conditions of the permit.

2. Have access to and copy, at reasonable times, any records that must be kept under the terms and conditions of the permit.

3. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit.

4. Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

(9 VAC 5-80-110 K.2)

R. Reopening For Cause

The permit shall be reopened by the Board if additional federal requirements become applicable to a major source with a remaining permit term of three years or more. Such reopening shall be completed no later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to 9 VAC 5-80-80 F.

1. The permit shall be reopened if the Board or the administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

2. The permit shall be reopened if the administrator or the Board determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

3. The permit shall not be reopened by the Board if additional applicable state requirements become applicable to a major source prior to the expiration date established under 9 VAC 5-80-110 D.

(9 VAC 5-80-110 L)

S. Permit Availability

Within five days after receipt of the issued permit, the permittee shall maintain the permit on the premises for which the permit has been issued and shall make the permit immediately available to DEQ upon request.
(9 VAC 5-80-150 E)

T. Transfer of Permits

1. No person shall transfer a permit from one location to another, unless authorized under 9 VAC 5-80-130, or from one piece of equipment to another.
(9 VAC 5-80-160)

2. In the case of a transfer of ownership of a stationary source, the new owner shall comply with any current permit issued to the previous owner. The new owner shall notify the Board of the change in ownership within 30 days of the transfer and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

3. In the case of a name change of a stationary source, the owner shall comply with any current permit issued under the previous source name. The owner shall notify the Board of the change in source name within 30 days of the name change and shall comply with the requirements of 9 VAC 5-80-200.
(9 VAC 5-80-160)

U. Malfunction as an Affirmative Defense

1. A malfunction constitutes an affirmative defense to an action brought for noncompliance with technology-based emission limitations if the requirements of paragraph 2 of this condition are met.

2. The affirmative defense of malfunction shall be demonstrated by the permittee through properly signed, contemporaneous operating logs, or other relevant evidence that show the following:

   a. A malfunction occurred and the permittee can identify the cause or causes of the malfunction.

   b. The permitted facility was at the time being properly operated.

   c. During the period of the malfunction the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit.

d. The permittee notified the Board of the malfunction within two working days following the time when the emission limitations were exceeded due to the malfunction. This notification shall include a description of the malfunction, any steps taken to mitigate emissions, and corrective actions taken. The notification may be delivered either orally or in writing. The notification may be delivered by electronic mail, facsimile transmission, telephone, or any other method that allows the permittee to comply with the deadline. This notification fulfills the requirements of 9 VAC 5-80-110 F.2.b to report promptly deviations from permit requirements. This notification does not release the permittee from the malfunction reporting requirement under 9 VAC 5-20-180 C.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of a malfunction shall have the burden of proof.

4. The provisions of this section are in addition to any malfunction, emergency or upset provision contained in any applicable requirement.

(9 VAC 5-80-250)

V. Permit Revocation or Termination for Cause

A permit may be revoked or terminated prior to its expiration date if the owner knowingly makes material misstatements in the permit application or any amendments thereto or if the permittee violates, fails, neglects or refuses to comply with the terms or conditions of the permit, any applicable requirements, or the applicable provisions of 9 VAC 5 Chapter 80 Article 1. The Board may suspend, under such conditions and for such period of time as the Board may prescribe any permit for any grounds for revocation or termination or for any other violations of these regulations.
(9 VAC 5-80-190 C and 9 VAC 5-80-260)

W. Duty to Supplement or Correct Application

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrections. An applicant shall also provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit.
(9 VAC 5-80-80 E)

X. Stratospheric Ozone Protection

If the permittee handles or emits one or more Class I or II substances subject to a standard promulgated under or established by Title VI (Stratospheric Ozone Protection) of the federal Clean Air Act, the permittee shall comply with all applicable sections of 40 CFR Part 82, Subparts A to F.
(40 CFR Part 82, Subparts A-F)

Y. Asbestos Requirements

The permittee shall comply with the requirements of National Emissions Standards for Hazardous Air Pollutants (40 CFR 61) Subpart M, National Emission Standards for Asbestos as it applies to the following: Standards for Demolition and Renovation (40 CFR 61.145), Standards for Insulating Materials (40 CFR 61.148), and Standards for Waste Disposal (40 CFR 61.150).
(9 VAC 5-60-70 and 9 VAC 5-80-110 A.1)

Z. Accidental Release Prevention

If the permittee has more, or will have more than a threshold quantity of a regulated substance in a process, as determined by 40 CFR 68.115, the permittee shall comply with the requirements of 40 CFR Part 68.
(40 CFR Part 68)

AA. Changes to Permits for Emissions Trading

No permit revision shall be required under any federally approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.
(9 VAC 5-80-110 I)

BB. Emissions Trading

Where the trading of emissions increases and decreases within the permitted facility is to occur within the context of this permit and to the extent that the regulations provide for trading such increases and decreases without a case-by-case approval of each emissions trade:

1. All terms and conditions required under 9 VAC 5-80-110, except subsection N, shall be included to determine compliance.

2. The permit shield described in 9 VAC 5-80-140 shall extend to all terms and conditions that allow such increases and decreases in emissions.

3. The owner shall meet all applicable requirements including the requirements of 9 VAC 5-80-50 through 9 VAC 5-80-300.

(9 VAC 5-80-110 I)

XIV. State-Only Enforceable Requirements

The following terms and conditions are not required under the federal Clean Air Act or under any of its applicable federal requirements, and are not subject to the requirements of 9 VAC 5-80-290 concerning review of proposed permits by EPA and draft permits by affected states.

1. 9 VAC 5 Chapter 50, Part II, Article 2: Standards of Performance for Odorous Emissions (Rule 5-2)

2. 9 VAC 5 Chapter 50, Part II, Article 3: Standards of Performance for Toxic Pollutants (Rule 5-3)

(9 VAC 5-80-110 N and 9 VAC 5-80-300)